

What is claimed is:

1 A cosmetic container comprising a housing assembly with an annular external ridge and a cap assembly with an inner cap member engageable with said annular external ridge, characterized in that said inner cap member has a wall portion between upper and lower annular external swells, said wall portion being elastically deformable to provide air-tight engagement with said annular external ridge when said housing assembly is capped with said cap assembly, said lower swell comprising a plurality of spaced segments and acting as a first stopper for preventing removal of said cap assembly from said housing assembly whereas said upper swell comprising an endless continuous ring and acting as a second stopper for preventing excessive insertion of said housing assembly into said cap assembly.

2 A cosmetic container according to claim 1 wherein said lower swell comprises a plurality of spaced segmental annular projections formed substantially around said outer surface of said inner cap member and one or more of dotted projections positioned substantially within each space between adjacent two of said segmental annular projections.

3 A cosmetic container according to claim 1 wherein said lower swell comprises a plurality of spaced segmental annular projections formed substantially around said outer surface of said inner cap member, adjacent two of said segmental annular projections being respectively connected by one or more of connecting ribs having said width smaller than said segmental annular projections.

4 A cosmetic container according to claim 3 wherein there are auxiliary ribs above and below each of said connecting ribs.

5 A cosmetic container according to claim 1 wherein said lower swell comprises a plurality of spaced segmental annular projections formed substantially around said

outer surface of said inner cap member, adjacent two of said segmental annular projections being respectively connected by connecting parts having said same width with said segmental annular projections.

6 A cosmetic container according to claim 5 wherein a lower portion of each of said connecting part is cut out to provide a slanting bottom surface.

7 A cosmetic container according to claim 5 wherein a lower portion of each of said connecting part is cut out to provide an arcuate bottom in cross-section.

8 A cosmetic container according to claim 5 wherein a lower portion of each of said connecting part is cut out to provide a substantially S-shaped bottom in cross-section.

9 A cosmetic container according to claim 5 wherein there are provided auxiliary ribs above and below each of said connecting parts.

10 A cosmetic container according to claim 1 wherein a wall portion of said inner cap member between said upper and lower annular external swells is entirely or partly recessed to provide said elastically deformable wall portion.

11 A cosmetic container according to claim 1 wherein one or more of longitudinal projections are formed on the outer surface of said inner cap member, which extend downward from said lower annular external swell to substantially a lower end of said inner cap member.

12 A cosmetic container comprising a housing assembly with an annular external ridge and a cap assembly with an inner cap member engageable with said annular external ridge, characterized in that said inner cap member has a wall portion between upper and lower annular external swells, said wall portion being elastically deformable

to provide air-tight engagement with said annular external ridge when said housing assembly is capped with said cap assembly, said lower swell being formed to have a wavy periphery in radial cross-section and acting as a first stopper for preventing removal of said cap assembly from said housing assembly whereas said upper swell comprising an endless continuous ring and acting as a second stopper for preventing excessive insertion of said housing assembly into said cap assembly.

13 A cosmetic container according to claim 12 wherein said lower swell has a wavy periphery comprising a continuous curved edge having regularly repeated tops and bottoms.

14 A cosmetic container according to claim 12 wherein said wavy periphery of said lower swell is formed as a milled edge having regularly repeated tops and bottoms.

15 A cosmetic container according to claim 12 wherein said wavy periphery of said lower swell is formed as a series of arcs of said same diameter.

16 A cosmetic container according to claim 12 wherein one or more of longitudinal projections are formed on the outer surface of said inner cap member, which extend downward from said lower annular external swell to substantially a lower end of said inner cap member.

17 A cosmetic container according to claim 16 wherein said longitudinal projections extend from top portions of said wavy periphery of said lower swell.

18 A cosmetic container according to claim 16 wherein said longitudinal projections extend from bottom portions of said wavy periphery of said lower swell.

19 A cosmetic container comprising a housing assembly with an annular external ridge and a cap assembly with an inner cap member engageable with said annular

external ridge, characterized in that said inner cap member has a wall portion between upper and lower annular external swells, said wall portion being elastically deformable to provide air-tight engagement with said annular external ridge when said housing assembly is capped with said cap assembly, and that said inner cap member has one or more of longitudinal projections on said outer surface thereof which extend downward from said lower annular external swell to substantially a lower end of said inner cap member, said lower swell having a circular cross-section and acting as a first stopper for preventing removal of said cap assembly from said housing assembly whereas said upper swell comprising an endless continuous ring and acting as a second stopper for preventing excessive insertion of said housing assembly into said cap assembly.

20 A cosmetic container according to claim 12 wherein said lower swell comprises an endless continuous ring of a circular cross-section.

21 A cosmetic container according to claim 19 wherein said lower swell comprises an endless continuous ring of a circular cross-section.

22 A cosmetic container according to claim 12 wherein said lower swell comprises a plurality of spaced annular projections.

23 A cosmetic container according to claim 19 wherein said lower swell comprises a plurality of spaced annular projections.

24 A cosmetic container according to claim 12 wherein said lower swell comprises a plurality of spaced segmental annular projections formed substantially around said outer surface of said inner cap member and one or more of dotted projections positioned substantially within each space between adjacent two of said segmental annular projections.

25 A cosmetic container according to claim 19 wherein said lower swell comprises a plurality of spaced segmental annular projections formed substantially around said outer surface of said inner cap member and one or more of dotted projections positioned substantially within each space between adjacent two of said segmental annular projections.

26 A cosmetic container according to claim 12 wherein said lower swell comprises a plurality of spaced segmental annular projections formed substantially around said outer surface of said inner cap member, adjacent two of said segmental annular projections being respectively connected by one or more of connecting ribs having said width smaller than said segmental annular projections.

27 A cosmetic container according to claim 19 wherein said lower swell comprises a plurality of spaced segmental annular projections formed substantially around said outer surface of said inner cap member, adjacent two of said segmental annular projections being respectively connected by one or more of connecting ribs having said width smaller than said segmental annular projections.

28 A cosmetic container according to claim 12 wherein said lower swell comprises a plurality of spaced segmental annular projections formed substantially around said outer surface of said inner cap member, adjacent two of said segmental annular projections being respectively connected by connecting parts having said same width with said segmental annular projections.

29 A cosmetic container according to claim 19 wherein said lower swell comprises a plurality of spaced segmental annular projections formed substantially around said outer surface of said inner cap member, adjacent two of said segmental annular projections being respectively connected by connecting parts having said same width with said segmental annular projections.

30 A cosmetic container according to claim 28 wherein a lower portion of each of said connecting part is cut out to provide a slanting bottom surface.

31 A cosmetic container according to claim 29 wherein a lower portion of each of said connecting part is cut out to provide a slanting bottom surface.

32 A cosmetic container according to claim 28 wherein a lower portion of each of said connecting part is cut out to provide an arcuate bottom in cross-section.

33 A cosmetic container according to claim 29 wherein a lower portion of each of said connecting part is cut out to provide an arcuate bottom in cross-section.

34 A cosmetic container according to claim 28 wherein a lower portion of each of said connecting part is cut out to provide a substantially S-shaped bottom in cross-section.

35 A cosmetic container according to claim 29 wherein a lower portion of each of said connecting part is cut out to provide a substantially S-shaped bottom in cross-section.

36 A cosmetic container according to claim 26 wherein there are provided auxiliary ribs above and below each of said connecting ribs.

37 A cosmetic container according to claim 27 wherein there are provided auxiliary ribs above and below each of said connecting ribs.

38 A cosmetic container according to claim 28 wherein there are provided auxiliary ribs above and below each of said connecting parts.

39 A cosmetic container according to claim 29 wherein there are provided auxiliary

ribs above and below each of said connecting parts.

40 A cosmetic container according to claim 12 wherein a wall portion between said upper and lower annular external swells is entirely or partly recessed to provide said elastically deformable thinned wall portion.

41 A cosmetic container according to claim 19 wherein a wall portion between said upper and lower annular external swells is entirely or partly recessed to provide said elastically deformable thinned wall portion.